

reduced the number of specific types and individuals of *Equisetum*, but has not, apparently, led to any progressive changes. The species from different geological horizons are probably distinct, but owe their distinctness merely to a shuffling of characters presenting new combinations of size, length of internodes, number of furrows, etc.

T. D. A. COCKERELL

PROCEEDINGS OF THE CLUB

MAY 26, 1915

The meeting was held in the laboratory of the New York Botanical Garden at 3:30 P.M., President Harper presiding. Twenty persons were present.

The minutes of meetings held April 28 and May 4 were read and approved.

Dr. Barnhart proposed Mr. Frank J. McCarthy, 311 E. 188th St., N. Y. City, for membership, and Dr. M. Levine proposed Miss Louise Kramer, 403 W. 49th St., N. Y. City, Mr. William Downer, 239 Bedford Ave., Brooklyn and Mr. Cullen Adlerblum, 1652 Mt. Hope Ave., Bronx, N. Y. These names were referred to the Committee on Membership.

Mrs. Britton read a communication from M. E. Husnot regarding the temporary suspension of publication of *Revue Bryologique*. The president directed that the exchange relations be continued.

Dr. M. Levine spoke of the advisability of establishing a new class of members to be known as associate members, who should enjoy the privileges of full membership except that of receiving the publications of the Club. Dr. Barnhart and others followed with further discussion of the subject. It was moved to appoint a committee of three to consider the matter. This motion was carried. The president then appointed as such committee Dr. M. Levine, Dr. Marshall A. Howe and Mr. Norman Taylor.

The field committee was authorized to accept into provisional membership subject to the subsequent ratification of the Club persons desiring to become members during the summer months.

Mr. Frank J. McCarthy was elected to membership.

The announced scientific program consisted of a paper on "The Twentieth Anniversary of the New York Botanical Garden," by Dr. N. L. Britton. The substance of this paper has since been published by the speaker under the title "History of the New York Botanical Garden" for distribution among those in attendance at the Twentieth Anniversary Celebration of the New York Botanical Garden, September 6, 1915.

Dr. Britton then submitted the following resolution, which was adopted:

Resolved: That the Field Committee of the Torrey Botanical Club be, and hereby is authorized to solicit and receive subscriptions to defray the expenses of botanists meeting at the New York Botanical Garden during the week commencing September 6, 1915, the celebration of the Twentieth Anniversary of the New York Botanical Garden, in visiting the pine barrens of New Jersey on Friday, September 10.

Resolved: That all details of arrangements for this visit to the pine barrens be referred to the field committee with power.

Prof. W. Bray gave in an informal way an outline of his proposed work on the "New York State Flora."

B. O. Dodge announced a new Gymnosporangial connection. He reported the results of several experiments establishing a connection between *Roestelia transformans* and the foliicolous form of *Gymnosporangium* on *Chamaecyparis* designated as *Gymnosporangium fraternum* Kern.

Dr. A. B. Stout gave a short paper on "Some Notes on *Phello-dendron*." Two trees growing in the New York Botanical Garden were found to have largely pistillate flowers. The seeds that had fallen on the ground the previous year had germinated in great numbers. Some of these seedlings were found to be almost entirely without chlorophyll.

Dr. W. A. Murrill then read the following papers by title: "Luminescence in Fungi," "The Validity of *Clitocybe megalospora* Clements." These papers will appear in an early number of *Mycologia*.

Meeting adjourned until October.

B. O. DODGE,
Secretary